



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Meade et al.

Serial No.: 09/849,657

Art Unit: 1646

Filed: May 4, 2001

Examiner: HAMA, JOANNE

For: Transgenically Produced Decorin

Atty. Docket No.: GTC-21

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL**  
**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR §1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists. The filing of this information disclosure statement shall not be construed as an admission against interest in any manner.

The citations listed on the attached Information Disclosure Form PTO-1449 may be material to the examination of the above-identified patent application. Therefore, Applicants submit these documents in compliance with the duty of disclosure as defined in 37 CFR §1.56,

**CERTIFICATE OF MAILING UNDER 37 CFR 1.8**

I hereby certify that under 37 CFR §1.10 that this correspondence is being deposited on December 10, 2004 with the United States Postal Service as with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

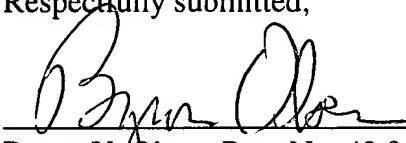
  
Dawn C. Greenaway

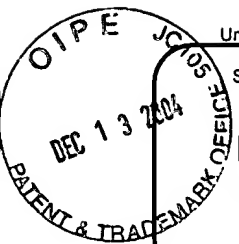
§1.97, and §1.98. The Examiner is requested to make these citations of official record in the present application.

It is Applicant's understanding that no fee is due; however, if the Applicant is incorrect, please charge any necessary fees for the above-captioned application to Deposit Account No. 502092.

The person making this statement is the attorney who signs below on the basis of the information in the attorney's file.

Date: 12/09/04

Respectfully submitted,  
By:   
Byron V. Olsen, Reg. No. 42,960  
Attorney for Applicants  
GTC Biotherapeutics, Inc.  
175 Crossing Blvd., Suite 410  
Framingham, MA 01702  
Tel. #(508) 370-5150  
Fax #(508) 370-3797



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	09/849,657
Filing Date	05/04/2001
First Named Inventor	Harry Meade
Art Unit	1646
Examiner Name	
Attorney Docket Number	GTC-21

Sheet 1

of 12

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 4,407,956	10-04-1983	Howell	
		US- 4,485,040	11-27-1984	Roger et al.	
		US- 4,644,056	02-17-1987	Kothe et al.	
		US- 4,897,465	01-30-1990	Cordle et al.	
		US- 5,096,815	03-17-1992	Ladner et al.	
		US- 5,198,346	03-30-1993	Ladner et al.	
		US- 5,223,409	06-29-1993	Ladner et al.	
		US- 5,283,184	02-01-1994	Jorgensen et al.	
		US- 5,482,852	01-09-1996	Yoder et al.	
		US- 5,523,226	06-04-1996	Wheeler	
		US- 5,573,933	11-12-1996	Seamark et al.	
		US- 5,741,957	04-21-1998	Deboer et al.	
		US- 5,843,705	12-01-1998	DiTullio et al.	
		US- 6,268,487	07-31-2001	Kutzko et al.	
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		WO 88/06630	09-07-1988	Genex Corp		
		WO 90/02809	03-22-1990	Protein Eng Cor		
		WO 90/06767	06-28-1990	Jolla Cancer		
		WO 92/09690	06-11-1992	Genentech Inc.		
		WO 93/25071	12-23-1993	DNX Corp		
		WO 94/19935	09-15-1994	Genzyme Corp		

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.**

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

**Complete if Known**

Application Number	09/849,657
Filing Date	05/04/2001
First Named Inventor	Harry Meade
Art Unit	1646
Examiner Name	
Attorney Docket Number	GTC-21

Sheet	2	of	12
-------	---	----	----

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		WO 94/23046	10-13-1994	US Health		
		WO 95/04744	02-16-1995	DNX Corp		
		WO 95/22258	08-24-1995	Nuijens		
		WO 97/07669	03-06-1997	Campbell		
		WO 98/30683	07-16-1998	Univ Mass		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

**Complete if Known**

Application Number	09/849,657
--------------------	------------

Filing Date	05/04/2001
-------------	------------

First Named Inventor	Harry Meade
----------------------	-------------

Art Unit	1646
----------	------

**Examiner Name**

Attorney Docket Number	GTC-21
------------------------	--------

Sheet	3
-------	---

of 12

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
		EP 467482	01-22-1992	Ver Coop Melkin		
		EP 693554	01-24-1996	Mass General		
		FR 2487642	02-05-1982	Bel Fromageries		
		GB 2179947	03-18-1987	Roussel-Uclaf		

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	09/849,657
		Filing Date	05/04/2001
		First Named Inventor	Harry Meade
		Art Unit	1646
		Examiner Name	
Sheet 4	of 12	Attorney Docket Number GTC-21	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Adelman et al., DNA, 2: pg. 183-193 (1983)	
		Agterberg et al., Gene, 88: pgs. 37-45 (1990)	
		Alexander et al., Eur. J. Biochem., 178: pgs. 395-401 (1988)	
		Alexander et al., Nucleic Acids Res., 17: pg. 6739 (1989)	
		Altschul et al., J. Mol. Biol., 215: pgs. 403-410 (1990)	
		Altschul et al., Nucleic Acids Res., 25(17): pgs. 3389-3402 (1997)	
		Bader et al., Clinical and Experimental Pharmacology and Physiology, Supp. 3: S81-S87 (1996)	
		Barbas et al., PNAS, 89: pgs. 4457-4461 (1992)	
		Barret et al., Anal. Biochem, 204: pgs. 357-364 (1992)	
		Binding, H., "Regeneration of Plants", Plant Protoplasts, CRC Press, Boca Raton, pgs. 21-37 (1985)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	09/849,657
				Filing Date	05/04/2001
				First Named Inventor	Harry Meade
				Art Unit	1646
				Examiner Name	
Sheet 5		of 12	Attorney Docket Number	GTC-21	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Brignon et al., FEBS Lett. 188: pgs. 48-54 (1985)	
		Campbell et al., Nucleic Acids Res., 12: pgs. 8685-8697 (1984)	
		Charbit et al., EMBO 5, pgs. 3029-3037 (1986)	
		Clackson et al., Nature, 352: pgs. 624-628 (1991)	
		Clark et al., Bio/Technology 7: pgs. 487-492 (1989)	
		Cull et al., PNAS USA, 89: pgs. 1865-1869 (1992)	
		Cunningham et al., Science, 244: pgs. 1081-1085 (1989)	
		Cwirla et al., PNAS, 87: pgs. 6378-6382 (1990)	
		Dale, P.J., "Protoplast Culture and Plant Regeneration of Cereals and Other Recalcitrant Crops", Protoplasts, Lecture Proceedings, pgs. 31-41 (1983)	
		Davey, M.R., "Recent Developments in the Culture and Regeneration of Plant Protoplasts", Protoplasts, Lecture Proceedings, pgs. 19-29 (1983)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>		09/849,657	
		<b>Filing Date</b>		05/04/2001	
		<b>First Named Inventor</b>		Harry Meade	
		<b>Art Unit</b>		1646	
		<b>Examiner Name</b>			
Sheet	6	of	12	<b>Attorney Docket Number</b>	GTC-21

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Devlin et al., Science, 249: pgs. 404-406 (1990)	
		DiTullio, Bio/Technology 10: pgs. 74-77 (1992)	
		Ebert et al., Bio/Technology, 12: pg. 699-702 (1994)	
		Evans et al., "Protoplasts Isolation and Culture", Handbook of Plant Cell Cultures, MacMillan Publishing Co., NY, 1: pgs. 124-176 (1983)	
		Feinberg et al., Anal. Bioc., 132: pgs. 6-13 (1983)	
		Fraley et al., Proc. Natl. Acad. Sci., USA, 80: pg. 4803-4807 (1983)	
		Fromm et al., Proc. Natl. Acad. Sci., USA, 82: pg. 5824-5828 (1985)	
		Fuchs et al., Bio/Technology, 9: pgs. 1369-1372 (1991)	
		Gallop et al., J. Med. Chem., 37(9): pgs. 1233-1251 (1994)	
		Ganderton et al., Drug Delivery to the Respiratory Tract, Ellis Horwood (1987)	

<b>Examiner Signature</b>		<b>Date Considered</b>	
-------------------------------	--	----------------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	09/849,657
		Filing Date	05/04/2001
		First Named Inventor	Harry Meade
		Art Unit	1646
		Examiner Name	
Sheet 7	of 12	Attorney Docket Number GTC-21	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Glossl, J., Biol. Chem., 259: pgs. 14144-14150 (1984)	
		Gonda, Critical Reviews in Therapeutic Drug Carrier Systems, 6: pgs. 273-313 (1990)	
		Gordon et al., Bio/Technology 5: pgs. 1183-1187 (1987)	
		Gorodetsky et al., Gene, 66: pgs. 87-96 (1988)	
		Gould et al., Proc. Natl. Acad. Sci., 86: pgs. 1934-1938 (1989)	
		Goward et al., TIBS, 18: pgs. 136-140 (1993)	
		Griffiths et al., EMBO J., 12: pgs. 725-734 (1993)	
		Grinnel, J., Cell Biol., 124: pgs. 401-404 (1994)	
		Hall, Biochem. J., 242: pgs. 735-742 (1987)	
		Hansson et al., J. Bacteriol., 174: pgs. 4239-4245 (1992)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number 09/849,657

Filing Date 05/04/2001

First Named Inventor Harry Meade

Art Unit 1646

Examiner Name

Sheet 8

of

12

Attorney Docket Number GTC-21

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Harborne et al., Eds., The Flavonoids, Vols. 1 and 2, Acad. Press (1975)	
		Harlow et al., Antibodies, A Laboratory Manual, Cold Spring Harbor, New York (1988)	
		Herrmann et al., Methods Enzymology, 152: pgs. 180-183 (1987)	
		Hohn et al., Molecular Biology of Plant Tumors, Academic Press, NY, pgs. 549-560 (1982)	
		Horsch et al., "Inheritance of Functional Foreign Genes in Plants", Science, 233: pgs. 496-498 (1984)	
		Ike et al., Nucleic Acid Res., 11: pg. 477-488 (1983)	
		Itakura et al., Annu. Rev. Biochem., 53: pg. 323-356 (1984)	
		Itakura et al., Recombinant DNA, Proc 3rd Cleveland Sympos. on Macromolecules, ed. AG Walton, Amsterdam: Elsevier, pgs. 273-289 (1981)	
		Itakura et al., Science, 198: pg. 1056-1063 (1984)	

Examiner  
Signature

Date

Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	09/849,657
		Filing Date	05/04/2001
		First Named Inventor	Harry Meade
		Art Unit	1646
		Examiner Name	
Sheet 9	of 12	Attorney Docket Number	GTC-21

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Ivanov et al., Biol. Chem., Hoppe-Seyler, 369: pgs. 425-429 (1988)	
		Jamieson et al., Gene, 61: pgs. 85-90 (1987)	
		Jones et al., J. Biol. Chem., 260: pgs. 7042-7050 (1985)	
		Karlin et al., Proc. Ntl. Acad. Sci. USA, 87: pgs. 2264-2268 (1990)	
		Karlin et al., Proc. Ntl. Acad. Sci. USA, 90: pgs. 5873-5877 (1993)	
		Klauser et al., EMBO J., 9: pgs. 1991-1999 (1990)	
		Klee et al., Annual Review of Plant Physiology, 38: pgs. 467-486 (1987)	
		Klein et al., Nature, 327: pgs 70-73 (1987)	
		Krusius et al., Proc. Ntl. Acad. Sci. USA, 83: p. 7683-7687 (1986)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number 09/849,657

Filing Date 05/04/2001

First Named Inventor Harry Meade

Art Unit 1646

Examiner Name

Attorney Docket Number GTC-21

Sheet 10

of 12

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Lacy et al., A Laboratory Manual, Cold Springs Harbor, New York (1986)	
		Leung et al., Technique 1: pgs. 11-15 (1989)	
		Maniatis et al., Molecular Cloning, A Laboratory Manual, Cold Spring Harbor, New York (1983)	
		Marks et al., J. Biol. Chem., 267: pgs. 16007-16010 (1992)	
		Mercier et al., J. Dairy Sci., 76: pgs. 3079-3098 (1993)	
		Myers et al., Science, 229: pg. 242 (1985)	
		Narang, S., Tetrahedron 39: pg. 3-22 (1983)	
		Paszkowski et al., EMBO J., 3: pgs. 2717-2722 (1984)	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number 09/849,657

Filing Date 05/04/2001

First Named Inventor Harry Meade

Art Unit 1646

Examiner Name

Attorney Docket Number GTC-21

Sheet 11

of

12

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Pinkert, C., ed., Academic Press, Inc., Transgenic Animal Technology, A Handbook, (1994)	
		Raeburn et al., J. Pharmacol. Toxicol. Methods, 27: pgs 143-159 (1992)	
		Richards et al., J. Biol. Chem., 256: pgs. 526-532 (1981)	
		Roberts et al., PNAS, 89: pgs. 2429-2433 (1992)	
		Ruoslahti, E., Ann. Rev. Cell Biol., 4: pgs. 229-255 (1988)	
		Sambrook et al., Molecular Cloning: A Laboratory Manual, 2nd Ed., Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, (1989)	
		Schorr et al., Vaccines, 91: pgs. 387-392 (1991)	
		Scott et al., Science, 249: pgs. 386-390 (1990)	
		Selgrath et al., Theriogenology, pgs. 1195-1205 (1990)	
		Soulier et al., FEBS Letts., 297: pg. 13-18 (1992)	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	09/849,657
		Filing Date	05/04/2001
		First Named Inventor	Harry Meade
		Art Unit	1646
Examiner Name			
Sheet 12 of 12	Attorney Docket Number	GTC-21	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Stewart, Nucleic Acids Res. 12: pg. 3895-3906 (1984)	
		Swaigood, H.E., Developments in Dairy Chemistry, I, Chemistry of Milk Protein, Applied Science Publishers, NY (1982)	
		Thiry et al., Appl. Environ. Microbiol., 55: pgs. 984-993 (1989)	
		Thomas, Proc. Natl. Acad. Sci., 77: pgs. 5201-5205 (1980)	
		Vilotte et al., Biochemie 69: pgs. 609-620 (1987)	
		Wells et al., Gene, 34: pg. 315-323 (1985)	
		White et al., "Current Topics in Complement Research: 64th Forum in Immunology", pgs. 88-94	
		Yu-Lee et al., J. Biol. Chem, 258: pgs 10794-10804 (1983)	
		Colowick, et al., Methods in Enzymology, Vol. 155, Recombinant DNA, Part F, pgs. 111-119, 131-139, 449-467, 501-527 (1987)	
		Crea et al., Proc. Natl. Acad. Sci., USA, 75: 5765-5769 (1978)	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.